Abbreviations/Acronyms

3G	third generation
3GPP	3rd Generation Partnership Project
4G	fourth generation

A

ACR	Absolute Category Rating
AGILE	Advanced Generation of Interoperability for Law Enforcement
ANSI	American National Standards Institute
ANTD	Advanced Networking Technologies Division (of NIST)
APCO	Association of Public-Safety Communications Officials
APD	Amplitude Probability Distribution
APIC	APCO Project 25 Interface Committee
ASR	airport surveillance radar
ATB	antenna testbed
ATIS	Alliance for Telecommunications Industry Solutions

B

BBTG	BroadBand Task Group
BIM	Base Interface Module
BVQM	Batch VQM

C

CAI	Common Air Interface
CASM	Communication Assets Survey and Mapping
CD	compact disk
CDA	Code Domain Analyzer
CDMA	Code Division Multiple Access
CEA	Consumer Electronics Association
CI	Console Interface
CIP	Critical Infrastructure Protection
CMRS	Commercial Mobile Radio Services
CONUS	Continental U.S.
COPS	Office of Community Oriented Policing Service
CRADA	Cooperative Research and Development Agreement
CRPL	Central Radio Propagation Laboratory
CSPM	Communication System Performance Model
CSPT	Communication System Planning Tool
CVQM	Command Line VQM

D

DAT	digital audio tape
dB	decibel
DFS	Dynamic Frequency Selection
DHS	Department of Homeland Security
DIETS	Department of Commerce ISSI Emulation and Test System
DLL	Dynamic Link Library
DNR	Draft New Recommendation
DOC	Department of Commerce
DOD	Department of Defense
DSCP	Digital Sampling Channel Probe
DSES	Deep Space Exploration Society
DS-UWB	Direct-Sequence Ultrawideband
DTV	digital television

E

EBU	European Broadcasting Union
EIA	Electronic Industries Alliance
EMC	electromagnetic compatibility
EMS	Emergency Medical Services
ETS	Emergency Telecommunications Service
ETSI	European Telecommunications Standards Institute
EVA	Evaluation License Agreement

F

FAA	Federal Aviation Administration
FCC	Federal Communications Commission
FFT	fast Fourier transform
FG	Focus Group
FHWA	Federal Highway Administration
FLC	Federal Laboratory Consortium for Technology Transfer
FPGA	Field Programmable Gate Array
FPIC	Federal Partnership for Interoperability Communications
FS	Fixed Services
FSI	Fixed/Base Station Interface
FTP	File Transfer Protocol
FTTA	Federal Technology Transfer Act 1986
FY	Fiscal Year

G

GETS	Government Emergency Telecommunications Service
GHz	gigahertz
GIF	Graphics Interchange Format
GIS	Geographic Information System
GLOBE	Global Land One-km Base Elevation
GPS	Global Positioning System
GSM	Global System for Mobile
GUI	Graphical User Interface

H

HA-NDGPS	High Accuracy NDGPS
HATS	head and torso simulator
HD	high definition
HDTV	High Definition Television
HF	high frequency
HTML	Hypertext Markup Language

I

IACP	International Association of Chiefs of Police
IAFC	International Association of Fire Chiefs
ICEPAC	Ionospheric Communications Enhanced Profile Analysis and Circuit Prediction Program
ICTAP	Interoperability Communications Technical Assistance Program
IEEE	Institute of Electrical and Electronics Engineers
IETF	Internet Engineering Task Force
IF	intermediate frequency
IMS	IP Multimedia Subsystem
IP	Internet Protocol
IP-AVQ	Internet Protocol Audio Video Quality
IPTV	Internet Protocol Television
IRAC	Interdepartment Radio Advisory Committee
ISART	International Symposium on Advanced Radio Technologies
ISM	Industrial, Scientific, and Medical
ISO/IEC	International Organization for Standardization/International Electrotechnical Commission
ISSI	Inter-rf Subsystem Interface
ITM	Irregular Terrain Model
ITS	Institute for Telecommunication Sciences
ITSA	Institute for Telecommunication Sciences and Aeronomy
ITU	International Telecommunication Union

ITU-R	ITU — Radiocommunication Sector
ITU-T	ITU — Telecommunication Standardization Sector
IVQM	In-Service VQM
IWCE	International Wireless Communications Expo

J

JRG	Joint Rapporteur(s) Group

K

kHz	kilohertz
KMF	Key Management Facility
KMM	Key Management Message

L

LAN	Local Area Network
LFMF	low frequency/medium frequency
LMDS	Local Multipoint Distribution Service
LMR	Land Mobile Radio
LNA	low noise amplifier
LOS	line of sight

M

MAC	media access control (layer)
MB-OFDM	Multi-Band Orthogonal Frequency-Division Multiplexing
Mb/s, Mbps	megabits per second
MD	Multimedia Definition
MHz	megahertz
MIMO	Multiple Input Multiple Output
MMQA	Multimedia Quality Assessment
MOU	Memorandum of Understanding
MPLS	Multiprotocol Label Switching
MSC	message sequence chart
MSTV	Association for Maximum Service Television
MTOM	mobile-to-mobile

N

NCS	National Communications System
NDGPS	Nationwide Differential Global Positioning System
NE	Network Equipment
NGN	Next Generation Network
NIC	network interface card
NIST	National Institute of Standards and Technology
NOAA	National Oceanic and Atmospheric Administration
NPSTC	National Public Safety Telecommunications Council

NS/EP	National Security and Emergency Preparedness
NTIA	National Telecommunications and Information Administration
NWS	National Weather Service

O

OAM	Operation, Administration and Maintenance
Ofcom	Office of Communications
OIC	Office of Interoperability and Compatibility (of DHS)
OLES	Office of Law Enforcement Standards
OMB	Office of Management and Budget
OPAD	Office of Policy Analysis and Development
OQPSK	Offset Quadrature Phase-Shift Keying
OSM	Office of Spectrum Management
OT	Office of Telecommunications
OTAR	Over the Air Rekeying
OTP	Office of Telecommunications Policy
OV	operational view

P

P25	Project 25
P/A	peak-to-average ratio
PAR	precision approach radar
PBS	Public Broadcasting System
PC	personal computer
PCAP	packet capture
PCS	Personal Communications Services
PDA	personal digital assistant
PESQ	Perceptual Evaluation of Speech Quality
PRQC	Network Performance, Reliability and Quality of Service Committee
PS	public safety
PSAF	Public Safety Architecture Framework
PSAL	Public Safety Audio Laboratory
PSAP	Public Safety Answering Point
PSAWG	P25 Systems Architecture Working Group
PSD	power spectral density
PSTN	Public Switched Telephone Network
PSVQ	Public Safety Video Quality
PTT	Push-to-Talk

Q

QoS	Quality of Service
QPSK	Quadrature Phase-Shift Keying

R

RACF	Resource and Admission Control Function
RAID	redundant array of independent disks
RBS	Radio Base Station
RCG	Radar Correspondence Group
RF	radio frequency
RFSS	Radio Frequency Subsystem
RLAN	Radio Local Area Network
RPM	Radio Performance Measurements
RR	Reduced Reference
RRC	Regional Radio Conference
RR-NR	Reduced Reference – No Reference
RSMS	Radio Spectrum Measurement Science
RSMS-4	4th Generation RSMS
RTP	Real-time Transport Protocol

S

SAFECOM	Public Safety Wireless Communications
SD	Standard Definition
SDMA	Space Division Multiple Access
SDO	Standards Development Organization
SDoC	Supplier's Declaration of Compliance
SDTS	Spatial Data Transfer Standard
SE	spectrum efficiency
SG	Study Group
SIP	Session Initiation Protocol
SIPRNET	Secret Internet Protocol Routable Network
SMP	simple mapping project
SMPTE	Society of Motion Picture and Television Engineers
SOR	Statement of Requirements
SPAWAR	Space and Naval Warfare Systems Command
SSMD	Site Specific Model
SU	Subscriber Unit
SV	Systems View

T

TA Services	Telecommunications Analysis Services
TASO	Television Allocations Study Organization
TBIM	Trunking Base Interface Module
TG	Task Group
TIA	Telecommunications Industry Association
TMOC	Telecom Management and Operations Committee
TR	Technical Report
TSB	Telecommunications Systems Bulletin

TV	television
TVA	Threat Vulnerability Analysis

U

UAV	unmanned aerial vehicle
UHF	ultra high frequency
URSI	International Union of Radio Science
U.S.	United States
USGS	U.S. Geological Survey
USTTI	U.S. Telecommunications Training Institute
UWB	ultrawideband

V

VHF	very high frequency
VLF	very low frequency
VoIP	Voice over Internet Protocol
VPN	Virtual Private Network
VQEG	Video Quality Experts Group
VQM	Video Quality Metric
VSA	vector signal analyzer
VSG	vector signal generator
VTG	Vocoder Task Group

W

WAS	Wireless Access System
W-CDMA	Wideband CDMA
WCTF	Wireless Communications Task Force
Wi-Fi	Wireless Fidelity
WLAN	Wireless LAN
WMO	Wireless Management Office
WNRC	Wireless Networks Research Center
WP	Working Party
WPAN	Wireless Personal Area Network
WRC	World Radiocommunication Conference
WTSC	Wireless Technologies and Systems Committee

X

XML	Extensible Markup Language

Y

YIG	yttrium-iron-garnet

An ITS engineer at work (photograph by F.H. Sanders).